A screenshot of a social media post

Description automatically generated

A screenshot of a cell phone

Description automatically generated

A close up of text on a white background

Description automatically generated

A close up of a person

Description automatically generated



A screenshot of a cell phone

Description automatically generated



A screenshot of a cell phone

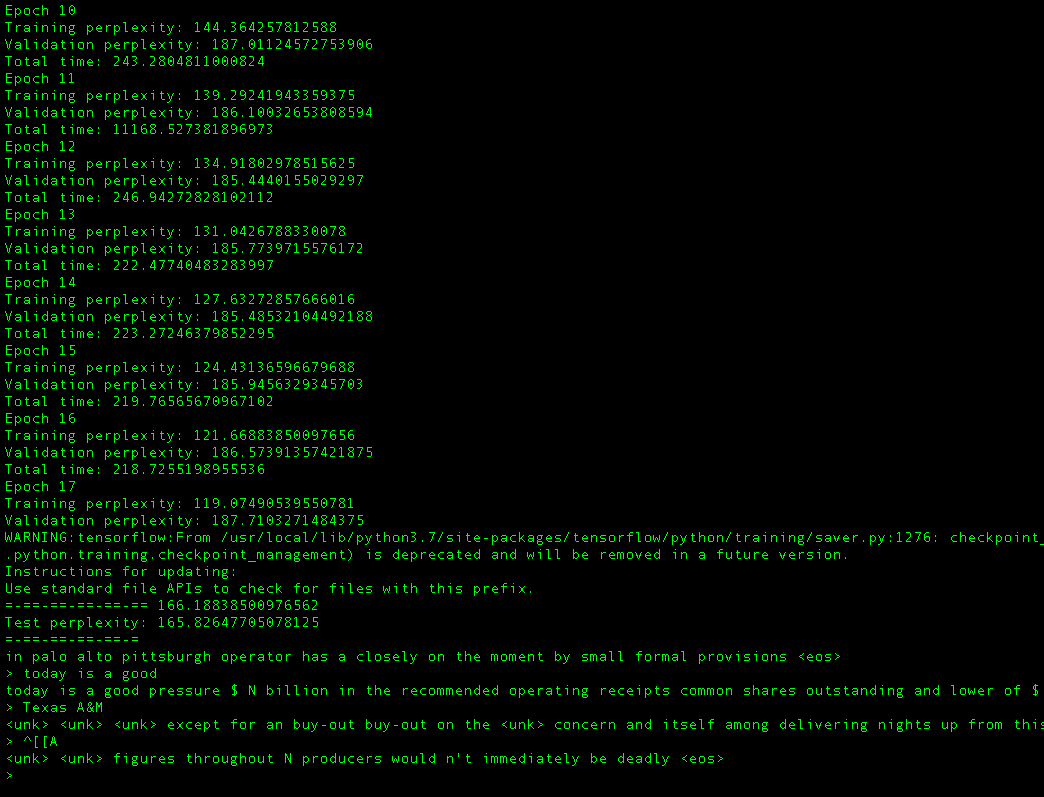
Description automatically generated

* Add\_model

A screenshot of a cell phone

Description automatically generated





Since my computer is pretty slow with CPU, I only run for several times. I found the result is a bit random at beginning. However, after I tweet the parameters, it become better

### YOUR CODE HERE

batch\_size = 32

embed\_size = 100

hidden\_size = 80

num\_steps = 10 # RNN is unfolded into 'num\_steps' time steps

max\_epochs = 50

early\_stopping = 2

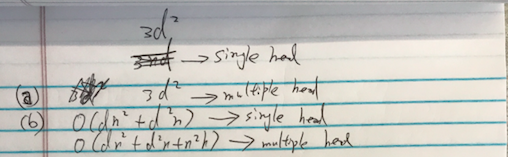
dropout = 0.6

lr = 0.001

### END YOUR CODE

A screenshot of a cell phone

Description automatically generated



Below is the draft:

A close up of text on a whiteboard

Description automatically generated

A screenshot of a cell phone

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multiplication with A means that 🡪 for every node, we sum up all the feature vectors of all neighboring nodes but not the node itself, unless there are self-loops in the graph.

We can "fix" this by enforcing self-loops in the graph: we simply add the identity matrix to A.

1. Normalizing A such that all rows sum to one;